re-run

IFWP

RAW SEQUENCE LISTING DATE: 07/20/2006
PATENT APPLICATION: **US/10/533,037** TIME: 19:15:29

Input Set : **N:\Crf4\Refhold\10_folder\J533037.raw**
Output Set: **N:\CRF4\07202006\J533037.raw**

<110> APPLICANT: Chang, Chawnshang
Yi-Fen Lee
Wen-Jye Lin
<120> TITLE OF INVENTION: Hydroxyflutamide Induced Pathways
Related to Androgen Receptor Negative Prostate Cancer Cells
<130> FILE REFERENCE: 21108.0017U2
<140> CURRENT APPLICATION NUMBER: US/10/533,037
<141> CURRENT FILING DATE: 2005-04-28
<150> PRIOR APPLICATION NUMBER: PCT/US03/34636
<151> PRIOR FILING DATE: 2003-10-31
<150> PRIOR APPLICATION NUMBER: 60/423,340
<151> PRIOR FILING DATE: 2002-10-31
<160> NUMBER OF SEQ ID NOS: 28
<170> SOFTWARE: FastSEQ for Windows Version 4.0
<210> SEQ ID NO: 1
<211> LENGTH: 1587
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:/note =
synthetic construct
<400> SEQUENCE: 1

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ctgaaagtcc atctgctgca tcggtcaaga gaaactccac ttgcatgaag attgcacgcc 180
tgcagcttgc atctttgttg caaaactagc tacagaagag aagcaaggca aagtcttttg 240
tgctcccctc ccccatcaaa ggaaagggga aaatgtctca gtcgaaaggc aagaagcgaa 300
accctggcct taaaattcca aaagaagcat ttgaacaacc tcagaccagt tccacaccac 360
ctagagattt agactccaag gcttgcattt ctattggaaa tcagaacttt gaggtgaagg 420
cagatgacct ggagcctata atggaactgg gacgaggtgc gtacggggtg gtggagaaga 480
tgcggcacgt gcccagcggg cagatcatgg cagtgaagcg gatccgagcc acagtaaata 540
gccaggaaca gaaacggcta ctgatggatt tggatatttc catgaggacg gtggactgtc 600
cattcactgt caccttttat ggcgcactgt ttcgggaggg tgatgtgtgg atctgcatgg 660
agctcatgga tacatcacta gataaattct acaaacaagt tattgataaa ggccagacaa 720
ttccagagga catcttaggg aaaatagcag tttctattgt aaaagcatta gaacatttac 780
atagtaagct gtctgtcatt cacagagacg tcaagccttc taatgtactc atcaatgctc 840
tcggtcaagt gaagatgtgc gattttggaa tcagtggcta cttggtggac tctgttgcta 900
aaacaattga tgcaggttgc aaaccataca tggcccctga aagaataaac ccagagctca 960
accagaaggg atacagtgtg aagtctgaca tttggagtct gggcatcacg atgattgagt 1020
tggccatcct tcgatttccc tatgattcat ggggaactcc atttcagcag ctcaaacagg 1080
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aacatccatt tttcacccta catgaatcca aaggaacaga tgtggcatct tttgtaaaac 1260

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tgattcttgg agactaaaaa gcagtggact taatcggttg accctactgt ggattggtgg 1320
gtttcggggt gaagcaagtt cactacagca tcaatagaaa gtcatctttg agataattta 1380
accctgcctc tcagagggtt ttctctccca attttctttt tactcccccc cttaaggggg 1440
ccttggaatc tatagtatag aatgaactgt ctagatggat gaattatgat aaaggcttag 1500
gacttcaaaa ggtgattaaa tatttaatga tgtgtcatat gaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaa 1587

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<211> LENGTH: 334
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
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<223> OTHER INFORMATION: Description of Artificial Sequence:/note =
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<400> SEQUENCE: 2

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Lys Glu Ala Phe Glu Gln Pro Gln Thr Ser Ser Thr Pro Pro Arg Asp
            20                  25                  30
Leu Asp Ser Lys Ala Cys Ile Ser Ile Gly Asn Gln Asn Phe Glu Val
        35                  40                  45
Lys Ala Asp Asp Leu Glu Pro Ile Met Glu Leu Gly Arg Gly Ala Tyr
    50                  55                  60
Gly Val Val Glu Lys Met Arg His Val Pro Ser Gly Gln Ile Met Ala
65                  70                  75                  80
Val Lys Arg Ile Arg Ala Thr Val Asn Ser Gln Glu Gln Lys Arg Leu
                85                  90                  95
Leu Met Asp Leu Asp Ile Ser Met Arg Thr Val Asp Cys Pro Phe Thr
            100                 105                 110
Val Thr Phe Tyr Gly Ala Leu Phe Arg Glu Gly Asp Val Trp Ile Cys
        115                 120                 125
Met Glu Leu Met Asp Thr Ser Leu Asp Lys Phe Tyr Lys Gln Val Ile
    130                 135                 140
Asp Lys Gly Gln Thr Ile Pro Glu Asp Ile Leu Gly Lys Ile Ala Val
145                 150                 155                 160
Ser Ile Val Lys Ala Leu Glu His Leu His Ser Lys Leu Ser Val Ile
                165                 170                 175
His Arg Asp Val Lys Pro Ser Asn Val Leu Ile Asn Ala Leu Gly Gln
            180                 185                 190
Val Lys Met Cys Asp Phe Gly Ile Ser Gly Tyr Leu Val Asp Ser Val
        195                 200                 205
Ala Lys Thr Ile Asp Ala Gly Cys Lys Pro Tyr Met Ala Pro Glu Arg
    210                 215                 220
Ile Asn Pro Glu Leu Asn Gln Lys Gly Tyr Ser Val Lys Ser Asp Ile
225                 230                 235                 240
Trp Ser Leu Gly Ile Thr Met Ile Glu Leu Ala Ile Leu Arg Phe Pro
                245                 250                 255
Tyr Asp Ser Trp Gly Thr Pro Phe Gln Gln Leu Lys Gln Val Val Glu
            260                 265                 270
Glu Pro Ser Pro Gln Leu Pro Ala Asp Lys Phe Ser Ala Glu Phe Val
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Input Set : **N:\Crf4\Refhold\10_folder\J533037.raw**
Output Set: **N:\CRF4\07202006\J533037.raw**

```
95                275                 280                 285
96       Asp Phe Thr Ser Gln Cys Leu Lys Lys Asn Ser Lys Glu Arg Pro Thr
97           290                 295                 300
98       Tyr Pro Glu Leu Met Gln His Pro Phe Phe Thr Leu His Glu Ser Lys
99       305                 310                 315                 320
100       Gly Thr Asp Val Ala Ser Phe Val Lys Leu Ile Leu Gly Asp
101                      325                 330
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104 <211> LENGTH: 3080
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence:/note =
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110 <400> SEQUENCE: 3
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112       agccagccca ttgacatccc agatgccaag aagagaggcc ggaaaaagaa gcgctgtcgg     120
113       gctactgaca gcttctcagg caggttcgaa gatgtctatc agctgcagga ggatgtgctg     180
114       ggggaaggtg ctcacgctcg tgtgcagacc tgtgtcaatc tcatcaccaa ccaggaatat     240
115       gctgtcaaga tcattgagaa gcagctgggc cacatccgca gcagggtgtt ccgggaggtg     300
116       gagatgctgt accagtgcca gggacatagg aatgttctag aactgattga gttctttgag     360
117       gaggaggacc gtttctacct ggtgtttgag aagatgcgtg gcggatccat cctaagccac     420
118       atccatagaa ggcgccactt taacgagctg gaggccagcg tggtagtaca ggacgtggcc     480
119       agtgccctgg acttcctgca taacaaaggc atcgcccaca gggacctaaa gccagagaac     540
120       atcctatgtg agcaccccaa ccaggtctcg ccagtgaaga tctgcgactt cgaccttggc     600
121       agtggtatca aactcaatgg agactgctcc cccatctcca caccagagct gctcaccccg     660
122       tgtgggtcag ctgagtacat ggccccagag gtggtggagg ccttcagtga agaggccagc     720
123       atctacgaca agcgctgcga cctgtggagc ctgggcgtca tcctctacat cctgcttagt     780
124       ggctacccgc ccttcgtggg ccactgtggc agcgactgtg gctgggaccg tggggaggcc     840
125       tgtcctgcct gccagaacat gctgtttgag agcatccagg agggcaagta tgagttccct     900
126       gacaaggact ggtcccacat ctcctttgct gccaaagacc tcatctccaa gctgctggtc     960
127       cgagatgcca agcagaggct gagtgctgcc caagtcctgc agcatccctg ggtgcagggg    1020
128       tgtgccccag agaacaccct accgacaccc ttggttctgc agaggaacag ctgtgccaaa    1080
129       gacctcacgt cctttgcggc tgaggccatc gccatgaacc ggcagctggc ccagtgtgag    1140
130       gaggacgctg ggcaggacca gcctgtggtc atccgagcta cctcacgctg cctgcagctg    1200
131       tccccaccct cccagtccaa gctggcccag cggcgccaga gggctagcct gtcggccacc    1260
132       cctgtggtcc ttgtggggga tcgcgcatga cccccactag ctccttgtac atatgccccc    1320
133       gccccgcggg gcctgaaggc tagggacctg gacaccccac cccttgccat tccaggtgcc    1380
134       agctcagctg ggtcctctgg gggtgtaggg gtctgttagg gggtgtctcc ttttctccct    1440
135       gtccttcccc tgccctgccc acttggcttt gttttgtttg tttttctttg ccgctattga    1500
136       aagcaagtgc ccggaggagg gcggagggct caggccgccc agcctgcacc ccacgatgct    1560
137       cacctgccaa ctgtgaaggt cctgccacct gcgcccccac ctccactcca gccactctgc    1620
138       tgtcttccag ggttggggat cccgcagggt cagcacccca cacctctccc agccctcagt    1680
139       gttgtcaggg acaggccctc ctggtgagca cagtggtggt tgcatctcct caccagagca    1740
140       cccttgggtc tggggtaggg cagggctccc tgtcttggat agagacctct ggggagcagg    1800
141       tggatgggga cagtgcactt gattgacccc gagtccccat catccacctg cagtgtccct    1860
142       tggagggttg acaatcagaa acccctccca ggctgcttag ctccttgccc tgggacagac    1920
143       ctactgctcc caaccccact tcccaggggc agagctggaa ggggaccctg cacccagcta    1980
144       gctccaccac agcaggagag gtgctggacc aggctttcat cagcaaacat ggggctccca    2040
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Output Set: N:\CRF4\07202006\J533037.raw

catgtctccc cacccagggc acctgagtgc cccttctcag ggctcagcct gaccacggcc 2100
acgtcctgcc cctggggttc ctaagctctc ctagctgctt ctgttagcca gagctgaggc 2160
catacccagg gctctcacct tcctgttgcc cccagagggc agcagctcag gcgtgcctgc 2220
tttcaggaaa gggaggctgg gaagggatgt ggtggccctg cggtgcccag acctaactgc 2280
ccgaggcctg tagactgttc tagccgaact actatgcaat acaagttccc attttctcca 2340
tggccctgct ggtcgggggc ggctgccagg ggccaggcca ccctgccctg caactgctca 2400
ggtgtctaca gggcagcccc tggcctcaaa aatccttggt caggattgtt tgtcgagttt 2460
agtttaggct ttttttttt ttttaaagaa ataatttgac ttgcttccct gttcttgaag 2520
agtacttgaa tgtcggggtc tggtgggtgg gggcctggga cacccactgc ccagcatcct 2580
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ctgccccacc tgcctctgtg gacacatttc caaagaaccc ctgggggtgg gacctcctcc 2700
atcagtatga ctcagctgtt ggccacctga ggactcggcc cccctgcagg ttcctgaagc 2760
aacctgactg ggcagtgagc agcattgacc cccactcacc cccaaaacag ggctgtgatt 2820
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tgggggacat gcaagcactt ttaactccat cgtaccaggt gaactgacct ccggactcct 3000
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<210> SEQ ID NO: 4
<211> LENGTH: 412
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:/note =
synthetic construct
<400> SEQUENCE: 4

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Arg Lys Lys Lys Arg Cys Arg Ala Thr Asp Ser Phe Ser Gly Arg Phe
            20                  25                  30
Glu Asp Val Tyr Gln Leu Gln Glu Asp Val Leu Gly Glu Gly Ala His
        35                  40                  45
Ala Arg Val Gln Thr Cys Val Asn Leu Ile Thr Asn Gln Glu Tyr Ala
    50                  55                  60
Val Lys Ile Ile Glu Lys Gln Leu Gly His Ile Arg Ser Arg Val Phe
65                  70                  75                  80
Arg Glu Val Glu Met Leu Tyr Gln Cys Gln Gly His Arg Asn Val Leu
                85                  90                  95
Glu Leu Ile Glu Phe Phe Glu Glu Glu Asp Arg Phe Tyr Leu Val Phe
            100                 105                 110
Glu Lys Met Arg Gly Gly Ser Ile Leu Ser His Ile His Arg Arg Arg
        115                 120                 125
His Phe Asn Glu Leu Glu Ala Ser Val Val Val Gln Asp Val Ala Ser
    130                 135                 140
Ala Leu Asp Phe Leu His Asn Lys Gly Ile Ala His Arg Asp Leu Lys
145                 150                 155                 160
Pro Glu Asn Ile Leu Cys Glu His Pro Asn Gln Val Ser Pro Val Lys
                165                 170                 175
Ile Cys Asp Phe Asp Leu Gly Ser Gly Ile Lys Leu Asn Gly Asp Cys
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Output Set: N:\CRF4\07202006\J533037.raw

```
195                 180                 185                 190
196       Ser Pro Ile Ser Thr Pro Glu Leu Leu Thr Pro Cys Gly Ser Ala Glu
197               195                 200                 205
198       Tyr Met Ala Pro Glu Val Val Glu Ala Phe Ser Glu Glu Ala Ser Ile
199           210                 215                 220
200       Tyr Asp Lys Arg Cys Asp Leu Trp Ser Leu Gly Val Ile Leu Tyr Ile
201       225                 230                 235                 240
202       Leu Leu Ser Gly Tyr Pro Pro Phe Val Gly His Cys Gly Ser Asp Cys
203                       245                 250                 255
204       Gly Trp Asp Arg Gly Glu Ala Cys Pro Ala Cys Gln Asn Met Leu Phe
205                   260                 265                 270
206       Glu Ser Ile Gln Glu Gly Lys Tyr Glu Phe Pro Asp Lys Asp Trp Ser
207               275                 280                 285
208       His Ile Ser Phe Ala Ala Lys Asp Leu Ile Ser Lys Leu Leu Val Arg
209           290                 295                 300
210       Asp Ala Lys Gln Arg Leu Ser Ala Ala Gln Val Leu Gln His Pro Trp
211       305                 310                 315                 320
212       Val Gln Gly Cys Ala Pro Glu Asn Thr Leu Pro Thr Pro Leu Val Leu
213                       325                 330                 335
214       Gln Arg Asn Ser Cys Ala Lys Asp Leu Thr Ser Phe Ala Ala Glu Ala
215                   340                 345                 350
216       Ile Ala Met Asn Arg Gln Leu Ala Gln Cys Glu Glu Asp Ala Gly Gln
217               355                 360                 365
218       Asp Gln Pro Val Val Ile Arg Ala Thr Ser Arg Cys Leu Gln Leu Ser
219           370                 375                 380
220       Pro Pro Ser Gln Ser Lys Leu Ala Gln Arg Arg Gln Arg Ala Ser Leu
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223                       405                 410
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226 <211> LENGTH: 1096
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
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235       cttcttgctc agtgccctga agtttctctg caatgaactg acaaatcgga accatggtgc     180
236       aaaagaagtt ctgccctcgg ttacttgact atctcgtgat cgtaggggcg aggcacccaa     240
237       gcagtgacag tgtggctcag actcctgagc tgctgcggag gtacccacta gaggatcacc     300
238       cagagttccc cctgccccca gatgtggtgt tcttctgcca gccagaagga tgtctgagtg     360
239       tgcggcagcg gcggatgagc cttcgggacg atacctcttt tgtcttcacc ctaaccgata     420
240       aggacaccgg agtcacccgc tatggcatct gtgtcaactt ctaccgttcc ttccaaaagc     480
241       gaatgccaaa ggaaaaggtg gaaggcggag caggaccccg tgggaaggaa ggcgctcaca     540
242       cctctggtgc ctcagaagag gctgccgctg ggagctcaga gagtggctca accttgcagc     600
243       cgcctagtgc tgactccact cctgacgtaa accagtctcc tcggggcaaa cgtagggcaa     660
244       aagcgggcag ccgctcccgc aacagtaccc tgacatccct gtgtgtgctt agccactacc     720
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